



U.S. Department of Transportation  
Federal Aviation Administration

## MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

**For FAA Use Only**

Office Identification

**INSTRUCTIONS:** Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1000 for each such violation (Section 901 Federal Aviation Act of 1958)

<b>1. Aircraft</b>	Make <b>Rockwell</b>	Model <b>Commander 114</b>
	Serial No. <b>14068</b>	Nationality and Registration Mark <b>USA N114MT</b>
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Sattig Henry B II</b>	Address (As shown on registration certificate) <b>1423 E Main ST PMB 193 Cortez CO 81321-2931</b>

**3. For FAA Use Only**

The alteration identified herein complied with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in 14 CFR Section 43.7.

*03/23/2004* *Greg F. Douthett*  
Date FAA Inspector, AFW 5500

**4. Unit Identification**

**5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
<b>Airframe</b>	------(As described in Item 1 above)-----				X
<b>Powerplant</b>					
<b>Propeller</b>					
<b>Appliance</b>	Type				
	Mnfctr				

**6. Conformity Statement**

<b>A. Agency's Name and Address</b>	<b>B. Kind of Agency</b>	<b>C. Certificate No.</b>
Shane Stuart 400 Howard Clemmons Rd. Granbury TX 76048	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	A&P 449510790
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date March 23, 2004	Signature of Authorized Individual <i>[Signature]</i>
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**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  Approved  Rejected

BY	<input type="checkbox"/> FAA Fit. Standards Inspector	<input type="checkbox"/> Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (specify)
	<input type="checkbox"/> FAA Designee	<input type="checkbox"/> Repair Station	<input type="checkbox"/> Person Appr. by Transport Canada Airworthiness Group	
Date of Approval or Rejection March 23, 2004		Certificate or Designation No. <b>JA449510790</b>	Signature of Authorized Individual <i>[Signature]</i>	

## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with previous alterations to assure continued conformity with the applicable airworthiness requirements.

### 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)  
March 23, 2004 N114MT

Installed Aerosafe Guardian I Stand By Vacuum System utilizing previous installation data as a basis for Field Approval. See Enclosed 337 Form. Installation is on a Rockwell Commander 112TCA S/N 13308 Reg. N4671W Approval Dated 3/9/87. Also See 337 Form Dated May 21, 1985. Installation on Rockwell Commander 114, S/N 14288 Reg. N4968W. Installation performed in accordance with Manufacturers instructions and utilizing Best Procedures and Practices as Outlined in AC 43.13-1B. All Wiring accomplished per AC 43.13-1B Chapter 11 Section 30-36 Computed Electrical Load Does Not Exceed 80 percent of Alternator capacity. System Functional Check accomplished in accordance with AC 43.13-1B Chapter 11-3. Weight & Balance Updated to reflect the following Change:

New AC EW 1932.63 CG 101.21 Mom. 195594

#### Instructions for Continued Airworthiness:

1. Introduction: Installation of Aerosafe Guardian I Standby Vacuum System
2. Description: Added Pump and Motor Assembly To Firewall, Straddling Channel Stiffener
3. Operational Info: Pump is Manually turned on by a Switch which was added to the Pilots side sub panel, before entering into IMC, a noted rise of the ships suction gage indicates the pump is online.
4. Servicing information:
5. Maintenance Instructions: At Annual or 100 Hour inspections, Operational check of the System should be made. Additionally, an operational check should be made a part of the pilots preflight procedure.
6. Troubleshooting: See Manufacturers Operational Instructions.
7. Removal & Replacement Information: N/A
8. Diagrams: See Manufacturers Instructions.
9. Special Inspection Requirements: Operational check shall be performed at annual or 100 Hour inspections.
10. Application of Protective Treatments: N/A
11. Data: N/A
12. List of Special Tools: N/A
13. Commuter Category Aircraft: N/A
14. Recommended Overhaul Periods: Recommend replacement of pump at failure of operational check or 10 years.
15. Airworthiness Limitation Section: N/A
16. Revisions: Revisions will be I/AW Manufacturers Maintenance Manual and submitted to Local FSDO.
17. Assistance: Contact Local FSDO